

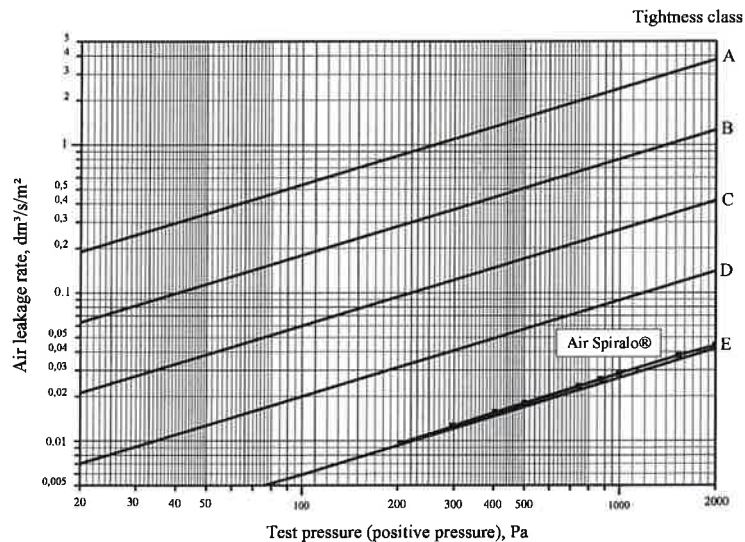
PRODUCT CERTIFICATE

Air Spiralo Oy

Produce

ductwork for ventilation system Air Spiralo®

Ventilation system Air Spiralo® is intended to be used in ordinary ventilation systems in buildings and its tightness is defined according to the certification criteria *VTT SERT R022-04: ductwork for ventilation system*. The tightness (EN 12237) of ventilation system Air Spiralo® (the total surface area of the ductwork A is 11,5 m² and the total joint length L is 14,5 m) is as follows:



Ventilation system Air Spiralo® meets the certification criteria of the tightness class D both with positive pressure and negative pressure. The maximum operating pressure is +2000 Pa/-1000 Pa. Components of the certified ventilation system Air Spiralo® are listed in the Appendix of the certificate.

This certificate is valid until August 18, 2021 on the condition that the product is not essentially changed and the manufacturer and VTT Expert Services Ltd have a valid contract on quality control. Inquiries regarding the validity of the certificate may be addressed to VTT Expert Services Ltd, www.VTT-todistus.fi. Other conditions are listed on the reverse side of the certificate.

Espoo 19.8.2016



Lina Markelin-Rantala
Product Manager





Kyösti Ovaska
Senior Expert

PRODUCT CERTIFICATE

Certificate No VTT-C-11403-15

For the certificate to be valid, the following provisions must be met:

Where reference is made in this certificate to any regulations, publications, standards or other documents, it shall be construed as a reference to such publication in the form of which it is in force at the date of this certificate.

The manufacturer is responsible for the quality and continuous quality control of the product. In granting this certificate, VTT Expert Services Ltd does not accept responsibility to any person or body for any loss or damage incurred in respect of personal injury arising as direct or indirect result of the use of this product.

The use of the name of VTT Expert Services Ltd or the name VTT Technical Research Centre of Finland Ltd in any other form in advertising or distribution in part of this certificate is only permissible with written authorisation from VTT Expert Services Ltd.

This certificate is the English version of the original VTT-C-11403-15 Finnish certificate. In case of dispute the Finnish original of the certificate is valid.



PRODUCT CERTIFICATE

Appendix: VTT Expert Services Ltd product certificate VTT-C-11403-15

Manufacturers: Air Spiralo Oy, Lehmo; KENTEL Polska Sp.z.o.o, Poland
Components of ventilation system Air Spiralo®:

<i>Product</i>	<i>Description</i>	<i>Size \varnothing cm</i>
Duct		
G05SPB	Spiralo duct	8...31
G07SPB	Spiralo duct	40...80
G09SPB	Spiralo duct	100...125
Coupling		
SV000K	Male coupling	8...125
SVH000	Female coupling	8...125
SVL000K	Long male coupling	8...31
Pressed bend		
GB3.000K	Bend 30°	8...25
GB4.000K	Bend 45°	8...25
GB9.000K	Bend 90°	8...25
Segmented bend		
RB1.000K	Bend 15°	10...125
RB3.000K	Bend 30°	10...125
RB4.000K	Bend 45°	10...125
RB9.000K	Bend 90°	10...125
Pressed reducer		
GV000.000K	Pressed reducer male/male	8...31
GVH000.000K	Pressed reducer female/male	8...31
Pressed collar saddle		
ZR000.000K	Pressed collar saddle male	8...31
ZRH000	Pressed collar saddle female	8...31
Take-off		
FLB000K	Take-off for Spiralo duct	8...31
FLBR000K	Take-off with radius	8...31
FLBH000	Take-off for fitting	8...31
T-piece 90°		
RT9.000.000K	T-piece 90°	8...31
Pressed end cap		
DB000K	Pressed male end cap for duct	8...31
DH000	Pressed female end cap for fitting	8...31
DBHG000K	Pressed male end cap for duct with handle	8...31
DHHG000	Pressed female end cap for fitting with handle	8...31
Fitting with access door		
ADTC000K	Fitting with access door	10...63

